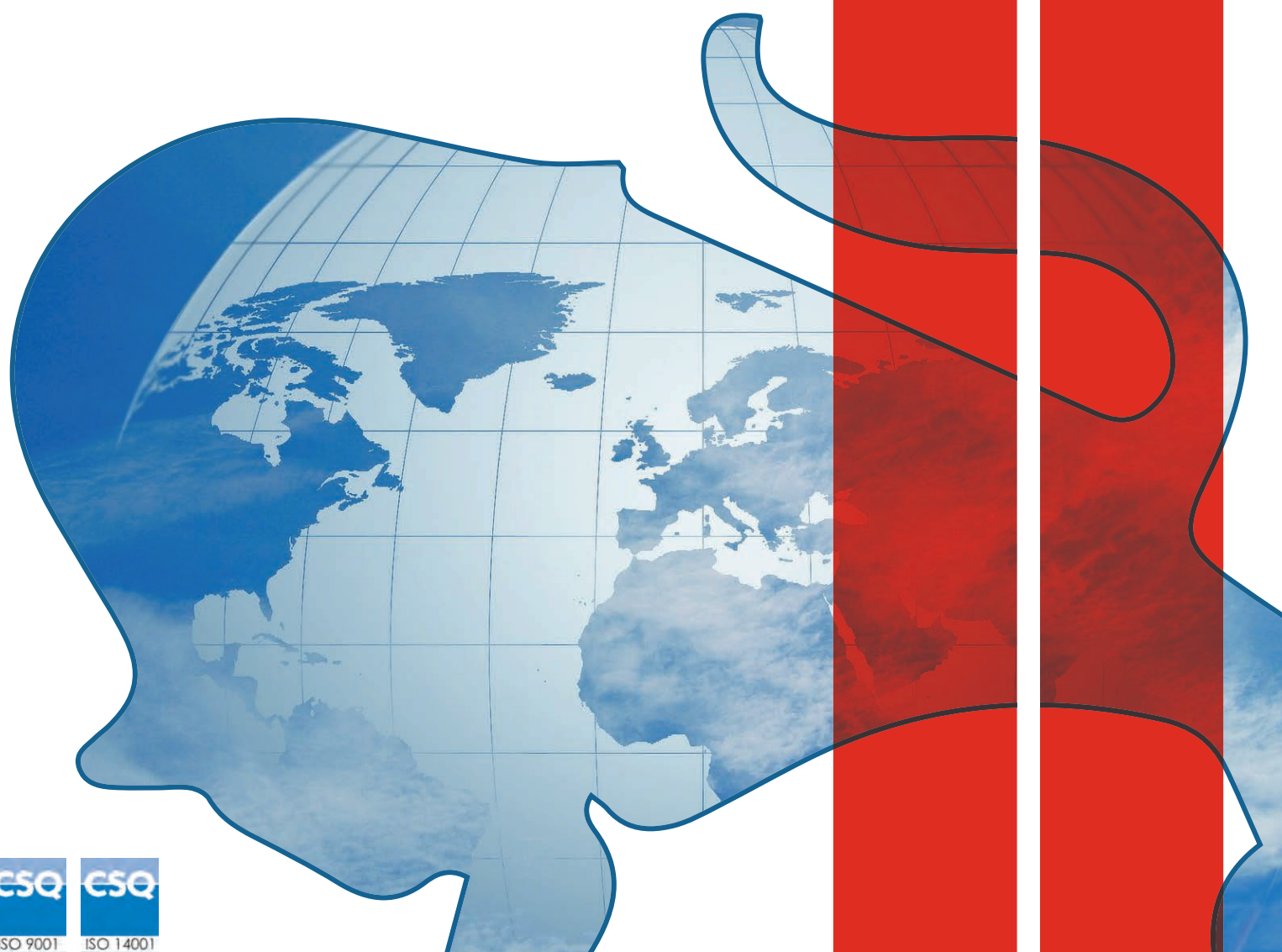


**FOR.TEC** SRL



# INCINERATORS MANUFACTURER

TECHNOLOGY AT THE SERVICE OF THE ENVIRONMENT



# COMPANY PROFILE

**For.Tec. Forniture Tecnologiche S.r.l. is** an Italian Company with 40 years of experience designing, manufacturing, selling and installing high-tech ecologic plants: our daily efforts, researches, studies and tests are directed towards the development of perfect solutions to all the problems arising from waste management.

Thanks to detailed engineering studies and skilled technicians' collaboration, we can offer a full range of incinerators for almost every type of waste, sophisticated crematories and new concept industrial ovens.

**The company comprises 2000 m2 production indoor area and more than 5000 m2 outdoor area and it is divided into departments as follows:**

- **GENERAL DIRECTION**
- **ADMINISTRATIVE DEPARTMENT**
- **SALES DEPARTMENT:** specialized sellers in incineration field give customers answers to all their doubts, they are ready to advise the most proper model of incinerator according to demand, they manage after-sales service and remote assistance. This department has a very efficient Export Office which handles an extensive dealer network and exports For.Tec. products in many Countries worldwide.
- **ENGINEERING DEPARTMENT:** a close-knit team of engineers and architects daily performs, with great professionalism, analysis of customers' specifications, feasibility studies, customized designs and tests; thanks to the collaboration with the Department of Civil and Mechanical Engineering of University of Cassino and Southern Lazio, we constantly develop new technologies to improve waste treatment solutions.
- **PRODUCTION DEPARTMENT:** skilled and experienced technicians implement projects and build up our incinerators and equipments with great attention to details, ensuring high level of security, high quality and shortest delivery times.



## We strive to fulfill each customer's needs:

we give the chance to **customize plants** with many optional equipments, such as automatic loading and deashing systems, wet scrubbers, dry depuration systems, heat recovery systems for hot water/hot-cold air/steam production and pollution control systems.

Our products are all fully CE Certified,  
our quality is **100% Made in Italy** and  
our incinerators are manufactured in  
compliance with the most restrictive  
construction, health and safety and  
environmental regulations.



The strengthening presence on the market of For.Tec. waste incinerators, corpses crematories, pet crematories and ecologic systems is an indispensable goal towards which all the efforts and best resources of the Company are continually directed.

In this perspective, For.Tec. Srl considers quality as a key strategic tool for the supply of products and services of absolute and certified reliability, efficiency and safety, in order to meet the Company's priority objective, namely customer's satisfaction.

The acknowledgment of our commitment to the quality research of our products has been awarded with the issuance of **International Quality Certifications**:



ISO 9001:2015 – IQNET  
ISO 14001:2015 – IQNET  
EN ISO 15614-1 A (Lloyd's Register)  
EN ISO 15614-1 B (Lloyd's Register)  
EN ISO 9606-1 A (Lloyd's Register)  
EN ISO 9606-1 G (Lloyd's Register)





# FD 4.0



PET  
CREMATORY



Incinerator for:  
**ANIMAL CARCASSES  
AND ORGANIC WASTE**



## TECHNOLOGY

The Crematoriums mod. FD 4.0 use the latest technological discoveries in order to make the cremation process easy to manage, effective and fully compliant with the most restrictive environmental requirements.



## DESIGN

The cremation chamber allows an easy treatment of large animals and at the same time the cremation with separation of the ashes of up to 4 animals per cycle.



## ENVIRONMENT

Each system is equipped with a post-combustion chamber in which fumes and odors are eliminated, making this technology eco-friendly.

Dedication to work, passion and great respect for pets, have always pushed For.Tec. to develop a cremation system specially designed to accompany the animal's body on its last journey in the most delicate and elegant way possible.

The particular attention to detail, the adopted high quality finishes and the automation of the process obtained through a software that was designed following decades of experience in the field, make our oven mod. FD 4.0 the top of the range among the crematory ovens for animals currently on the market.

Our crematory system mod. **FD 4.0** uses the latest technological advances in order to make the cremation process easy to manage, effective and fully compliant with the most restrictive environmental requirements both nationally and internationally.

The cremation chamber, with a volume of 0.8 cubic meters, allows easy treatment of large animals and at the same time cremation with separation of the ashes of up to 4 animals per cycle. The hot sole of the cremation chamber speeds up the cremation process, especially in the presence of frozen animals, and avoids the stagnation of liquids at the base of the oven, which are often difficult to treat.

## Each FD 4.0 crematorium is equipped with a thermal afterburner built in full compliance with the most restrictive anti-pollution regulations.

The shared walls between the cremation chamber and the post-combustion chamber imply a constant heat exchange between them and the recovery of a large amount of heat that would otherwise be dissipated towards the outside of the oven; the result of this process is a considerable saving of fuel compared to traditional ovens.



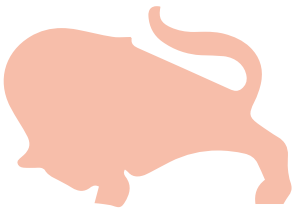
The adoption of two-stage burners in the cremation chamber and in the post-combustion chamber make it possible to correctly manage the flame and temperatures both in the case of single cremation of small animals and in the case of multiple cremations, avoiding continuous and expensive shutdowns and re-ignitions of the burners.

Process management is simple and intuitive thanks to the high resolution Touch Screen Panel and the high degree of automation guaranteed by the Siemens PLC. The system can also be integrated with the company's management software, which allows you to keep track of each cremation at any time, receiving a notice via e-mail or a text message at the end of the cycle. The possibility of remote control of the system allows you to take advantage of a timely remote assistance service, allowing accurate diagnostics and thus limiting the need for costly downtime and maintenance on site.

For.Tec. is able to provide, together with the FD 4.0 crematorium, a whole series of optional equipments and accessories, which make the installation fully responsive to the needs of each customer, also allowing them to have everything they need to start their business:

- Wet SCRUBBER emission abatement system designed to intervene on powders and water-soluble acid compounds, in order to guarantee emissions fully compliant with the most restrictive standards, both
- Italian and European.C-Pet model automated carcass loading system,
- T-Pet model ash grinder
- Hot ash vacuum system
- Cold rooms for the preservation of carcasses

# FD 4.0



ECOTEC

	U.M.	550	1500	2500	5000	6000 multi	8000	10000	12000 multi	15000 multi
Volume	mc	0,55	1,5	2,5	5	6	8	10	12	15
Burning capacity	kg/h	≤ 40	≤ 100	≤ 150	≤ 300	≤ 400	≤ 450	≤ 500	≤ 750	≤ 850
Loading capacity	kg/cycle	70	200	300	600	Only continuous loading	1000	1250	Only continuous loading	Only continuous loading

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded waste

EXCE OS

	U.M.	4	8	12	25	35	50	100
Volume	mc	0,4	0,8	1,2	2,5	3,5	5	10
Burning capacity	kg/h	≤ 25	≤ 50	≤ 100	≤ 200	≤ 250	≤ 300	≤ 500
Loading capacity	kg/cycle	60	120	180	375	525	750	1500

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded waste

ROTOMAC

	U.M.	1000	1500	2500	4000	6000	12000	15000	18000
Volume	mc	0,9	1,5	2,5	4	6	12	15	18
Burning capacity	Kg/h	≤ 100	≤ 150	≤ 200	≤ 350	≤ 500	≤ 650	≤ 750	≤ 1000
Loading capacity	Kg/cycle	200/350	300/500	500/900	850/1500	1350/2500	Continuous	Continuous	Continuous

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded waste

EXCE AN

	U.M.	4	8	12	25	35	50	100
Volume	mc	0,4	0,8	1,2	2,5	3,5	5	10
Burning capacity	kg/h	≤ 50	≤ 100	≤ 150	≤ 250	≤ 300	≤ 350	≤ 500
Loading capacity	kg/cycle	≤ 120	≤ 240	≤ 360	≤ 750	≤ 1050	≤ 1500	≤ 3000

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# T-BULL

Incineration chamber volume	m³	12,17	Maximum potential of incineration burners	Kw	190 x 6
Loading volume in incineration chamber	m³	7,30	Post-combustion chamber burners	no.	2
Burning Capacity	Kg/h	up to 1000*	Maximum potential of post-combustion burners	Kw	319 x 2
Door's opening dimensions	mm	3900 x 1920	Indicative consumption of Diesel	l/h	60
Incineration chamber's dimensions	mm	3900 (Length) 1920 (Width) 1550 (Height 1) 1700 (Height 2)	Electric consumption	kW	2
Incineration chamber burners	no.	6	Power supply	Type	230v 50Hz
			Total weight	Tons	21

# FD 4.0

	U.M.	4.0
Volume	mc	0,80
Burning capacity	kg/h	<50 (classified as a low-capacity installation)
Loading capacity	kg/cycle	≤150
Fuel	type	Diesel/Natural gas/Lpg
Maximum total power of installed burners	Kw	490 (vers. Diesel) 475 (vers. Natural gas/Lpg)
Reference Standards	-	Regulation EU 142/2011 and Regulation EU 1069/2009

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# FIDO 550

	U.M.	550
Volume	mc	0,57
Burning capacity	kg/h	≤40 (classified as a low-capacity installation)
Loading capacity	kg/cycle	120
Fuel	type	Diesel/Natural gas/Lpg
Maximum total power of installed burners	Kw	380 (vers. Diesel) 350 (vers. Natural gas/Lpg)
Reference Standards	-	Regulation EU 142/2011 and Regulation EU 1069/2009

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded waste

# TR PYROLYTIC

	U.M.	2000 OR	5000 OR	12000 OR	20000 OR	2000 VR	5000 VR	8000 VR	12000 VR
Useful Volume	Mc	2	5,3	12,1	20,7	2,1	5,5	7,6	12
Internal Dimensions	mm	1000	1400	1600	2000	1200	1300	1500	2000
HxWxL		2000	2400	3600	4500	1200	2000	2200	2400
		1000	1600	2100	2300	1400	2100	2300	2500
Paint treatment capacity	kg/h	15	35	50	80	15	35	40	55
Loading capacity	Kg	320	550	700	850	320	550	650	700

\* Only indicative and non-binding data, they may change, also significantly, according to the exact composition of the loaded material



Hundreds of customers in the world have chosen our ovens!

## CUSTOMIZED SERVICES

- Feasibility studies
- Functional Layout
- Thermo fluid dynamics CFD simulations
- Assistance with authorization procedures
- Scheduled maintenance
- Remote assistance

## QUALITY



Certified Company  
Management System  
**ISO 9001:2015**



Certified Company  
Management System  
**ISO 14001:2015**